

# MD. Jahid Alam Riad

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## Professional Experience

### Global Systems LLC

Irving, TX, USA

*Trainee Business Analyst (2025-present)*

Conduct comprehensive business process analyses to identify improvement opportunities, enhance operational efficiency and strategic alignment. Collaborate with cross-functional teams to gather, define, and translate complex business requirements into effective, data-driven solutions. Facilitate clear communication between stakeholders and technical teams to ensure alignment and successful project execution. Design and deliver insightful reports and dashboards to support high-impact decision-making. Continuously evaluate project outcomes to ensure solutions meet business objectives and deliver measurable value.

### Institute of Science Trade and Technology (ISTT)

Dhaka, Bangladesh

*Computer Technology Lecturer (2021–2023)*

Teach advanced computer science courses, emphasizing programming, algorithms, and system design. Develop and update the curriculum to include the latest technological advancements. Foster a collaborative and interactive classroom environment and mentor students on academic and career development.

### Young Force Security Services Ltd.

Dhaka, Bangladesh

*IT Executive (2019–2020)*

Oversaw IT infrastructure, managed network security, implemented databases and software solutions. Improved system reliability and security protocols. Conducted regular system audits and provided IT support across departments.

## Education

### Washington University of Science and Technology

Alexandria, VA, USA

*Masters of Science in IT*

2023–2024

Major in IT System and Management

### Noakhali Science and Technology University

Noakhali, Bangladesh

*Bachelor of Science in Computer Science and Telecommunication Engineering*

2013–2019

Focus on digital communication systems and image transmission technologies. Conducted research on DCT based SC-FDMA systems, culminating in a thesis on secure medical image transmission.

### Dhaka College

Dhaka, Bangladesh

*Higher Secondary Certificate*

2010–2012

Major in Science. Excelled in advanced mathematics and physics.

## Publications

**2024:** *Advanced Retinal Image Segmentation using U-Net Architecture: A Leap Forward in Ophthalmological Diagnostics.*

*BiLSTM Models with and Without Pretrained Embeddings and BERT on German Patient Reviews.*

**2025:** *Exploring Religions and Cross-Cultural Sensitivities in Conversational AI.*

*Fine-Tuning Large Language Models for Regional Dialect Comprehended Question answering in Bangla.*

*Fine-Tuning Large Language Models for Sentiment Classification of AI-Related Tweets*

## Technical Skills

- 🔹 **Languages:** Python, C, C++, HTML/CSS, JavaScript, SQL
- 🔹 **Databases:** MySQL, MongoDB
- 🔹 **Libraries:** TensorFlow, SciKit Learn, Pandas, NumPy, Keras, React.js, Node.js, Laravel.
- 🔹 **Others:** Data Science, Machine Learning, Quantitative and Qualitative Analysis, Git, GitHub, SAAS, Next.js.

## Languages

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**Bengali:** Mother tongue

**English:** Professional Proficiency

## Additional Information

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**Leadership:** Led the team during industrial tours and served as the captain of the university cricket team. Demonstrated leadership in coordinating and guiding team activities.

**Conferences & Seminars:** Active participant and speaker at various IT-related conferences. Engaged in ongoing professional development and networking within the tech community.

**Certificates of Presentation & Participation:**

Third international Conference on Artificial Intelligence and Machine Learning Applications (AIMLA)

First International Conference on Emerging Technologies and Computing Innovations (ICETCI-2025)

IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors.

**Professional certifications:**

**React - The Complete Guide-** Udemy.

**DevOps Beginners to Advanced with Projects-** Udemy.

**Co-reviewing with a mentor (with assignment)-**Web of Science

**Reviewing in the Sciences-** Web of Science.